



179/89

# आरत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित

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No. 29] NEW DELHI, SATURDAY, JULY 22, 1989 (ASADHA 31, 1911)

इस भाग में विश्व पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENTS OFFICE  
PATENTS AND DESIGNS

Calcutta, the 22nd July 1989

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THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, III Floor, Lower Parel (West),  
Bombay 400 013.

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Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

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Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamil Nadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Amindivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents and fees required by the Patents Act, 1970 or the Rules, 1972 will be received only at the appropriate office of the Patent Office.

*Fees :—*The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 22 जुलाई 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं:—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर परेल (पश्चिम),  
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—“पेटोफिस”

पेटेंट कार्यालय शाखा,  
एक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—“पेटेंटोफिक”

## THE PATENT OFFICE

Calcutta, the 22nd July 1989

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 14th June 1989

450/Cal/89. Hoechst Aktiengesellschaft. Water-soluble azo compounds, processes for their preparation and their use as dyestuffs.

451/Cal/89. Krupp Widia GmbH. Procedure and device for the relief of stress of a disk spring pressure loaded tie rod of a tool base holder.

452/Cal/89. (1) The Registrar, Indian Institute of Technology (2) Dr. N. G. Bhole and (3) Shri P. K. Jana. Vegetable slicer/shredder.

453/Cal/89. Kone Elevator GmbH. Procedure and device for overload and short-circuit protection of output drivers.

454/Cal/89. Albert Edward Rex. A base plate stud and clip therefor.

(Convention date 24th November, 1989) Australia.

पेटेंट कार्यालय शाखा,  
61, वालाजाह रोड,  
मद्रास-600002।

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप।

तार पता—“पेटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्कः—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

The 15th June 1989

455/Cal/89. Ausimont S. r. l. Electrically conductive micro-mulsions of the water in oil type based on per-fluorinated compounds and used as a catholyte in electrochemical processes.

456/Cal/89. Ausimont S. r. l. Electrically conductive oil in water micromulsions based on perfluorinated compounds and used as a catholyte in electric chemical processes.

457/Cal/89. Vsesojuzny Nauchno-Issledovatelsky Institut Elektrifikatsii Selskogo Khozyaistva. A device for information transmission via three-phase power distribution systems.

458/Cal/89. Vsesojuzny Nauchno-Issledovatelsky Institut Elektrifikatsii selskogo khozyaistva. Device for signal transmission via the wires of three-phase power distribution lines.

459/Cal/89. Chitta Ranjan Mukherjee. Improved domestic fan regulator.

460/Cal/89. Dr. Binod Kumar Varma. A process for obtaining mahua seed animal feedstock or feedstock-supplement.

The 16th June 1989

461/Cal/89. Philips Petroleum Company. Process for DNA sequence encoding a methylotrophic yeast alcohol oxidase II regulatory region.

- 462/Cal/89. Kone Elevator GmbH. Elevator machine.
- 463/Cal/89. Bowthorpe-Hellermann Limited. Forming branch-off enclosures.  
(Convention dated 5th July, 1988 & 30th March, 1989) Both are United Kingdom.

The 19th June 1989

- 464/Cal/89. Leningradsky Institut Tochnoi Mekhaniki i Optiki. Electric droplet stream generator and method of adjusting the same.
- 465/Cal/89. E. I. Du Pont De Nemours and Company. Method and apparatus for controlling the carriage of a linear motor.

- 466/Cal/89. E. I. Du Pont De Nemours and Company. Method of and apparatus for drawing plastic film in a tender frame.

- 467/Cal/89. Sandaco, S. A. A liquified gas lighter.  
(Convention dated 23rd September, 1988) U. K.

- 468/Cal/89. B. V. Optische Industrie "De Oude Delft". Slit radiography device provided with absorption elements, and procedure for producing absorption elements.

- 469/Cal/89. Industrial Sales Company (ISCO) A/S. A Pallet.

- 470/Cal/89. Kone Elevator GmbH. Elevator machine.

- 471/Cal/89. Sudha Kanti Ghosh. Very high frequency ferrites as micro element substrates to be used as a television antenna (placement of antenna built in, indoor, roof etc.) size & shape; Torroid, Disc with central hole, rectangular slab with alternate holes.

**APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-5.**

The 22nd May 1989

- 447/Del/89. Managing Director of M/s. Wires and Fabriks (S.A.) Ltd., "Improved fabric mesh screen for use in sheet forming zone of a paper making machine".
- 448/Del/89. Adolf Herbert Astor Zieliński, "Method for producing superconductive materials, and method and apparatus for the electric control of superconductive applications".

The 23rd May 1989

- 449/Del/89. Council of Scientific & Industrial Research, "An improved process for the production of oxalic acid the oxidation of bamboo waste from pulp and paper industry".

- 450/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of a fraction mainly containing picroside I and kutkoside (name by us as picroliv) having hepatoprotective, immunostimulant and virus neutralising properties from the plant picrothiza kurrooa".

- 451/Del/89. Laboratories domilens, "Anterior chamber intraocular implant".

The 24th May 1989

- 452/Del/89. Motorola Inc., "High bit rate communication system for overcoming multipath".

- 453/Del/89. Mobil Solar Energy Corporation, An improved method of fabricating contacts for solar cells".

The 25th May 1989

- 454/Del/89. UOP, "Method and apparatus for atomizing liquid for contact with fluidized particles".

- 455/Del/89. Exxon Chemical Patents, Inc, "Improved dispersant additives derived from amido-amines".

- 456/Del/89. National Research Development Corporation, "Safety device for hypodermic needle or the like".

[Divisional date 21st July, 1986].

[Convention date 29 July, 1985] (U.K.).

The 26th May 1989

- 457/Del/89. National Research Development Corporation of India, "A process for the preparation of pure zinc sulphide".

[Divisional date 18th May, 1989].

- 458/Del/89. National Research Development Corporation of India, "A process for the preparation of activated zinc sulphide". [Divisional date 18th May, 1989].

- 459/Del/89. National Research Development Corporation of India, "A process for the preparation of pure cadmium sulphide". [Divisional date 18th May, 1989].

- 460/Del/89. Narain Das Wadhwa, "An apparatus for causing a separation of palm cake".

- 461/Del/89. Samasivan Venkat Eswaran, "A process for the preparation of benzofuroxan".

- 462/Del/89. Samasivan Venkat Eswaran, "An improved process for the preparation of dimethoxy indoloquinoxaline dioxide".

- 463/Del/89. The Lubrizol Corporation, "Lubricating oil composition".

- 464/Del/89. The Lubrizol Corporation, "Lubricating oil compositions and concentrates".

The 26th May 1989

- 465/Del/89. The Lubrizol Corporation, "Lubricating oil compositions and concentrates".

- 466/Del/89. The Lubrizol Corporation, "Lubricating oil compositions and concentrates".

- 467/Del/89. The Lubrizol Corporation, "Lubricating oil compositions."

The 29th May 1989

- 468/Del/89. Palmer Tube Mills (Aust) Pty. Ltd., "A method for roll forming of articles". (Convention date 31st July, 1985) (Australia) & [Divisional date 31st July, 1986].

- 469/Del/89. Kabushiki Kaisha Toshiba, "Vacuum interrupter contacts and process for producing the same".

- 470/Del/89. Palmer Tube Mills (Aust) Pty., Ltd., "An apparatus for roll forming of articles". (Convention date 31st July, 1985) (Australia) & [Divisional date 31st July, 1986].

The 30th May 1989

- 471/Del/89. Concentric Pumps Ltd., "Improvements relating to gerotor pumps". (Convention date 9th June, 1988) (U.K.).

- 472/Del/89. General Foods Corporation, "Preparation of tricalcium phosphate".

473/Del/89. Stein-Heurtey, "A roller for the handling of iron and steel products moving inside a furnace".

474/Del/89. Balcke-Durr Aktiengesellschaft, "Heat exchanger with heat exchange tubes arranged between two tube plates".

The 31st May 1989

475/Del/89. Norsolor S. A., "New process for the manufacture of petroleum resins suitable for the manufacture of printing inks, varnishes and paints".

476/Del/89. Oil & Natural Gas Commission, "A thread compound and to a process for the preparation thereof".

477/Del/89. Oil and Natural Gas Commission, "A thread compound and to a process for the preparation thereof".

478/Del/89. Oil & Natural Gas Commission, "A thread compound and to a process for the preparation thereof".

479/Del/89. The Chief Controller, Research & Development, Ministry of Defence, Govt. of India, "Yig filter-in coaxial and microstrip types".

480/Del/89. Liphia, Lyonnaise Industrielle Pharmaceutique, "Substituted flavanoid compounds their salts, their manufacture and medicines containing these materials".

The 1st June 1989

481/Del/89. ICI Australia Operations Proprietary Ltd., "Grinding process". (Convention date 17th June, 1988) (Australia).

482/Del/89. Lowan (Management) Pty. Ltd., "Jig pulsion mechanism".  
(Convention date 1st July, 1988) (Australia).

483/Del/89. E. R. Squibb & Sons, Inc., "Benzazepine and benzothiazepine derivatives".

484/Del/89. Natalya Robertovna Bursian & Others, "Method for producing a catalyst to isomerize alkanes and cyclanes".

The 2nd June 1989

485/Del/89. Aerospatiale Societe Nationale Industrielle, "Frame made of a composite material, especially for the fuselage of an aircraft, and its method of production".

486/Del/89. The Lubrizol Corporation, "A process for preparing an oil additive". [Divisional date 25th November, 1986].

487/Del/89. M. M. Jack Engineering Pty. Ltd., "Improvements in or relating to work stations". (Convention date 10th June, 1988) (Australia).

#### ALTERATION

164986 Anti-dated 29-08-1983.  
(618/Cal/87).

164988 Anti-dated 03-08-1985.  
(809/Cal/87).

164989 Anti-dated 24-12-1985.  
(428/Cal/88).

164990 Anti-dated 09-03-1988.  
(807/Cal/88).

#### OPPOSITION PROCEEDINGS

The opposition entered Mechelonic Welders Pvt. Ltd., to the grant of a patent on application No. 160919 made by Dengensha Manufacturing Co., Ltd. as notified in the Gazette of India, Part III, Section 2 dated 9th April, 1988 had been successful and the grant of a patent on the said application shall be refused.

An opposition has been entered by Biren Das Gupta to the grant of a patent on application No. 164050 made by Rama Pada Chatterjee.

The opposition entered by National Research Development Corporation to the grant of a Patent on application No. 155314 made by Dr. Ramaswamy Thangappan, as notified in the Gazette of India, Part III, Section 2, dated 28th September, 1985 had been successful and the grant of a Patent on the said application shall be refused.

#### PATENTS SEALED

161409	162156	163172	163329	163331	163345	163418
163444	163446	163447	163448	163449	163467	163471
163474	163475	163478	163481	163483	163484	163485
163489	163592	163647	163649	163701	163704	163722
163750	163787	163798	163800	163801	163806	163811
163812	163813	163814	163816	163817	163818	163820

CAL-21.

DEL-18.

MAS-2.

BOM-1.

#### RENEWAL OF PATENTS

143359	145147	145594	146151	147245	147272	147445
147696	148110	148113	148239	148480	148594	148636
148637	148648	148731	148872	148947	149003	149089
149463	149498	149499	149558	149612	150120	150161
150209	150473	150571	150685	150687	150824	151039
151041	151117	151149	151216	151389	151639	152012
152234	152380	152440	152487	152690	152777	153044
153378	153681	153770	153775	163794	153807	154043
154045	154069	154167	154214	154299	154308	154475
154476	154523	154573	154597	154629	154721	154748
154754	154757	154787	154790	154798	154944	155167
155184	155260	155355	155361	155448	155449	155591
155597	155718	155720	155721	155783	155930	155998
156268	156804	156954	157373	157381	157396	157507
157546	157547	157555	157578	157602	157606	157608
157639	157640	157641	157642	157644	157647	157665
157690	157692	157695	157698	157714	157781	157917
157922	157927	157980	158061	158496	158602	158826
158883	158899	158900	158901	158902	158905	158912
158934	159019	159022	159044	159045	159053	159075
159185	159285	159312	159314	159319	159455	159632
159651	159675	159677	159755	159887	159956	159957
159958	159959	159977	160023	160066	160101	160102
160105	160162	160201	160206	160258	160273	160302
160331	160332	160336	160355	160386	160387	160389
160458	160464	160478	160479	160584	160661	160737
160779	160786	160842	160836	160848	160883	160960
160979	161089	161133	161138	161167	161285	161287
161292	161349	161350	161419	161420	161458	161459
161488	161489	161491	161499	161500	161501	161502
161508	161509	161521	161522	161523	161524	161525
161528	161546	161548	161549	161614	161615	161617
161620	161642	161643	161650	161662	161664	161668

161701	161702	161703	161705	161709	161710	161757
161781	161790	161823	161830	161876	161877	162081
162088	162089	162090	162098	162099	162198	162241
162243	162352	162359	162446	162600	162611	162622
162648	162651	162670	162687	162701	162714	162799
162826	162847	162869	162885	162886	162949	163173
163380	163563	163768.				

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 160423 granted to Sengodan Kandasami for an invention relating to "a cyclostyling machine".

The patent ceased on the 29th October 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 20-5-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 22nd September, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of Patent No. 157257 dated the 22nd January 1983 made by Rajni Bhandari on the 20th Aug., 1987 and notified in the Gazette of India, Part III, Section 2 dated the 21-1-89 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 154389 dated the 3rd July 1981 made by R & M Company on the 6-6-88 and notified in the Gazette of India, Part III, Section 2 dated the 3rd Dec. 1988 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 154390 dated the 3rd July, 1981 made by R & M Company on the 6-6-88 and notified in the Gazette of India, Part III, Section 2 dated the 3-12-88 has been allowed and the said patent restored..

## APPEAL IN THE HIGH COURT UNDER SECTION 116

Appeal filed by Comfret N. V. from the decision under Section 25 of the Patents Act, 1970 in respect of application for Patent No. 149450 has been allowed to withdraw by the Hon'ble Mr. Justice Mahesh Chandra of the Delhi High Court in his order dated 28th April, 1989.

## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियन्त्रक, एकस्वर को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित

बक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अन्तर्गत है।"

नीचे सूची गत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण एंकर राय रोड, कलकत्ता में विक्री हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएँ तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों को संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टकित अवश्य फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुण करके (व्यापक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 146-C.

164981

Int. Cl. : G 05 g 1/00.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

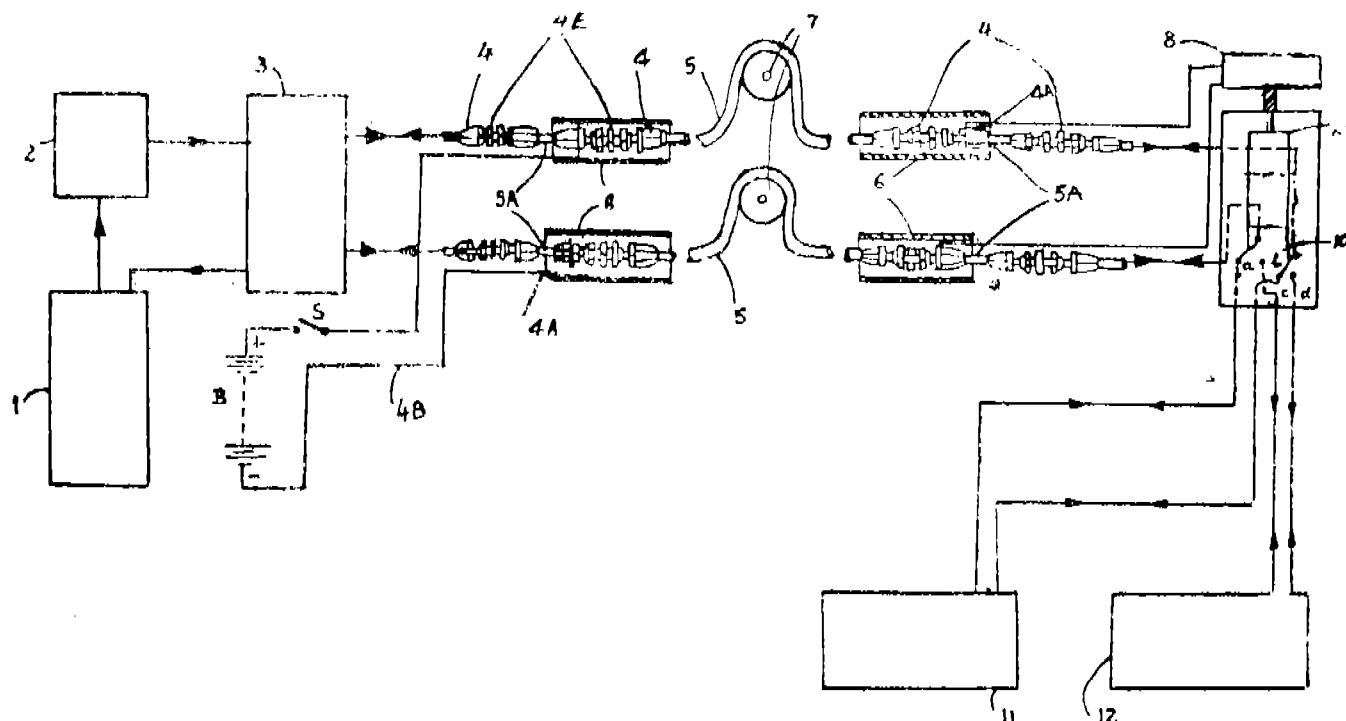
## AN IMPROVED DEVICE FOR OPERATING AND CONTROLLING MULTIPLE HYDRAULIC EQUIPMENTS.

Applicant & Inventor : PROTAP KUMAR GHOSE, OF  
8A AMRAPALI, 10/2 DIAMOND HARBOUR ROAD,  
CALCUTTA-700027, WEST BENGAL, INDIA.

Application No. 173/Cal/87 filed March 05, 1987.

14 Claims

An improved device for operating and controlling multiple hydraulic equipments from a distance comprising metallic wire-braided hoses for supplying pressurised fluids for operating said equipments and solenoid valves for controlling the operation of said equipments wherein the improvement comprises substitution of separate electric cables for supplying electric current to the coils of said solenoid valves by the metallic wire braidings of said hoses.



Compl. specn. 10 pages.

Draws. 2 sheets

CLASS : 185-A.  
Int. Cl. : 23 f 3/04.

164982

## IMPROVED CTC MACHINE.

Applicant : TRADE & INDUSTRY PRIVATE LIMITED,  
AT 19, R. N. MUKHERJEE ROAD, CALCUTTA-700001,  
WEST BENGAL, INDIA.

Inventors : (1) OM PRAKASH BAGARIA, (2) OLA-KANGEL JOSEPH JOHNY.

Application No. 250/Cal/87 filed March 30, 1987.

Addition to No. 928/Cal/85.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

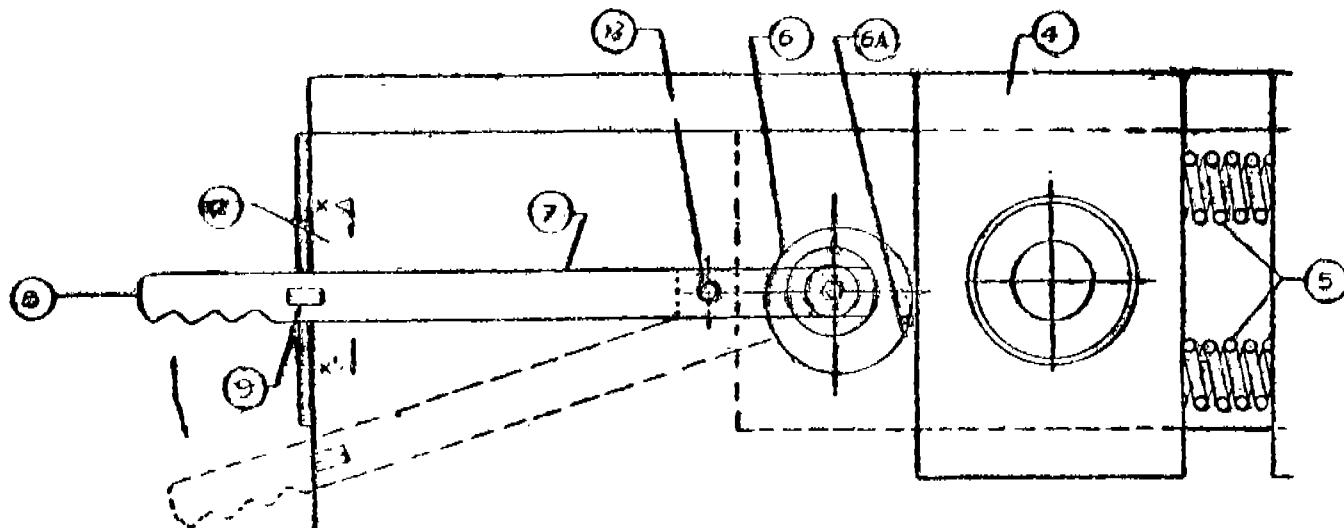
5 Claims

An improved C. T. C. machine, as described and claimed in the main Indian Patent Application No. 928/Cal/85,

wherein for causing automatic radial displacement of the spring-loaded roller away from the other roller and thereby to increase radial gap between the two rollers, the cam shaft has securely provided at its one end with a spring lever such that in the horizontal disposition of the said spring lever the cams of the camshaft are adapted to be engaged with the housings of the said spring-loaded roller at the maximum cam profile, while on angular movement of the spring lever from its horizontal disposition the cams are adapted to be angularly moved for allowing displacement of the spring-loaded roller away from the other roller, and the free end of the said spring lever is adapted to be latched onto the machine frame in the horizontal disposition of the lever such that in the event of jamming of the said two rollers caused by over-loading of the rollers with excess tea leaves and/or by intrusion of hard foreign material into the gap between the rollers,

or for any other reason, the spring lever is capable of being unlatched to have angular movement and thereby to allow

the spring-loaded roller to be displaced automatically away from other roller.



Compl. specn. 13 pages.

Drg. 1 sheet

CLASS :

164983

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

Int. Cl. : H 02 g 15/18.

18 Claims

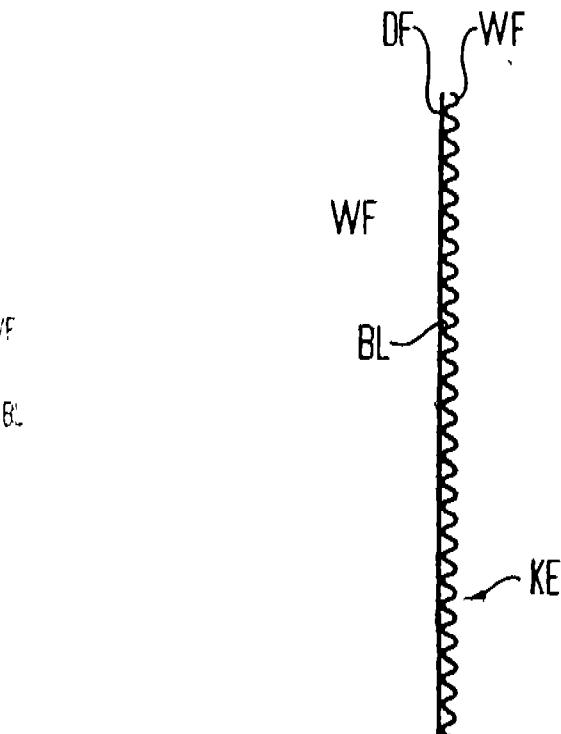
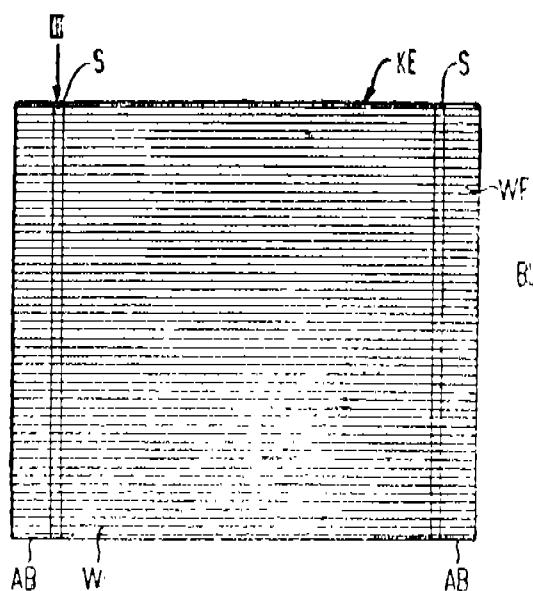
## WRAP-AROUND CABLE SLEEVE LINER AND A METHOD OF PRODUCING THE SAME.

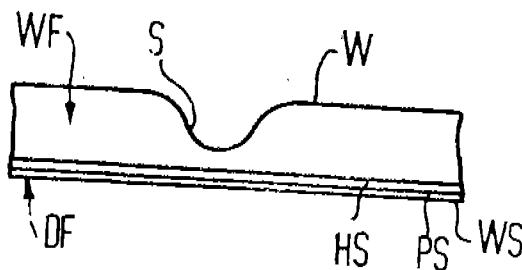
Applicant : RXS SCHRUMPFTECHNIK-GARNITUREN GMBH., OF PROFILSTRASSE 4, D-5800 HAGEN 1, WEST GERMANY.

Inventor : HANS-JURGEN MELTSCH.

Application No. 300/Cal/87 filed April 16, 1987.

A wrap-around cable sleeve liner comprising a smooth and a corrugated compound layer, each made from a plurality of layers of material, and the two compound layers being disposed to cohere and lie one over the other to form a composite sheet, wherein the liner is cut from a large area piece of said composite sheet of the required size for any particular liner and in use is disposed so as to extend around the entire cable sleeve region, and wherein the corrugated compound layer is provided with continuous indentations at right angles to the corrugations, whereby the composite sheet can be bent along the indentations to enable the liner to be adapted to differences in diameter between the sleeve liner and the cables to be inserted in the cable sleeve.





Compl. specn. 11 pages.

Drgs. 2 sheets

CLASS : 164984

Int. Cl. : C 05 f 9/02.

**A COMPOSTER FOR COMPOSTING ORGANIC WASTES.**

Applicant : SEppo PELTOMAA OY, OF 01860 PERTULU, FINLAND.

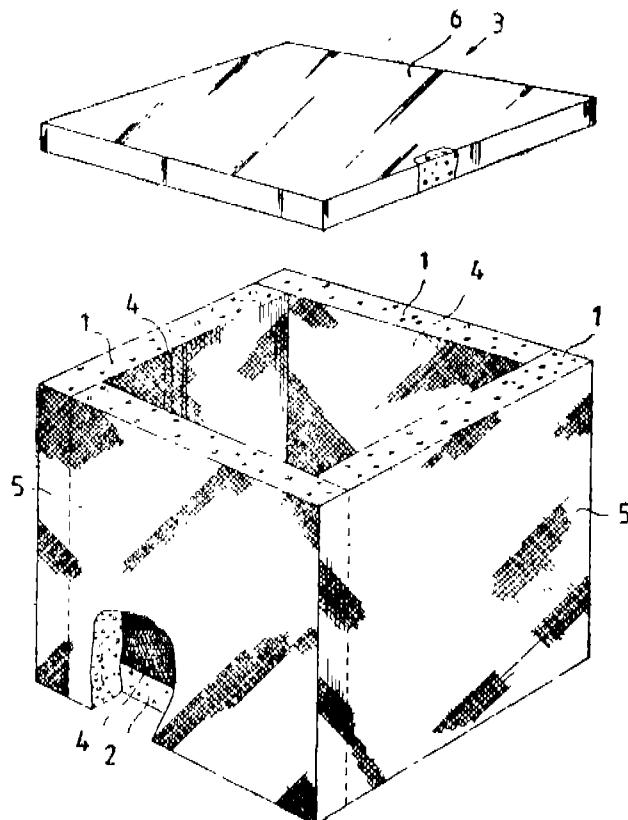
Inventor : SEPPO PELTOMAA.

Application No. 383/Cal/87 filed May 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A composter for composting organic wastes, comprising side walls (1), a bottom (2) and a cover (3) defining a space in which the wastes are to be placed, wherein at least the walls (1) are of thermal lagging sheets of porous material which is permeable to air, characterized in that for improving the composting process a gas-tight and thermally well conductive surfacing material, such as an aluminium sheet (6), has been attached on the outer surface of the cover (3).



Compl. specn. 6 pages.

Drgs. 2 sheets

CLASS : 164985

Int. Cl. : A 61 f 5/00.

**CONTRACEPTIVE METHOD AND DEVICE EMPLOYING ELECTRIC FORCES.**

Applicant : PETER MAG SCHWOLSKY, OF 4101 CATHEDRAL AVENUE NW, WASHINGTON DC 20016, U.S.A. AND STEVEN KAALI, OF PENTHOUSE E, 225E. 63RD STREET, NEW YORK, NY 10021, U.S.A.

Inventors : (1) PETER MAG SCHWOLSKY, (2) STEVEN KAALI, (3) JOSEPH W PORTER.

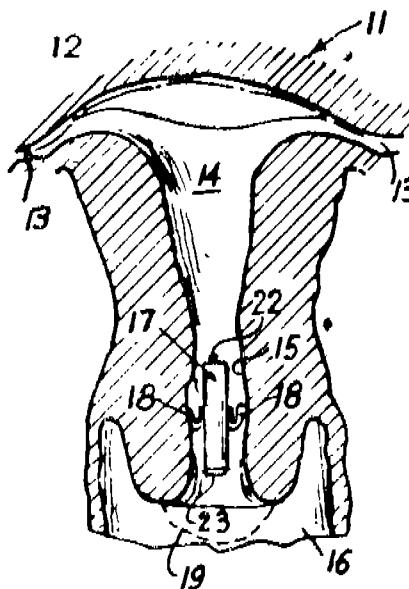
Application No. 471/Cal/87 filed June 17, 1987.

Convention date 19th Sept. 1986 (8622512) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

A contraceptive device employing electric forces designed and proportioned to be inserted near the opening of the cervical canal of a female mammal, comprising a set of spaced-apart electrodes for producing an electrical force within or around the opening to the cervical canal for acting on the male sperm and preventing migration of the sperm through the cervical canal and into the uterine cavity, and independent source of electric potential for supplying an electromotive force across the electrodes and means for fixing the contraceptive device near the opening of the cervical canal, the contraceptive device being fabricated from or coated by materials which are biologically inert and safe for physical contact with human and animal tissue over extended period of time.



Compl. specn. 29 pages.

Drgs. 2 sheets

CLASS . 105-B & 140-B<sub>2</sub>.

164986

Int. CL . G 01 d 1/00: 5/00.

## AN INSULATED STEAM INJECTION TUBE.

Applicant : THE BABCOCK & WILCOX COMPANY,  
1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U. S. A.

Inventor : HUBERT LYNCHBURG WHALEY.

Application No. 618/Cal/87 filed August 07, 1987.

Divisional of Application No 1050/Cal/83. Anti-dated to  
29th August, 1983

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

An insulated steam injection tube including means for detecting insulation failure and comprising :

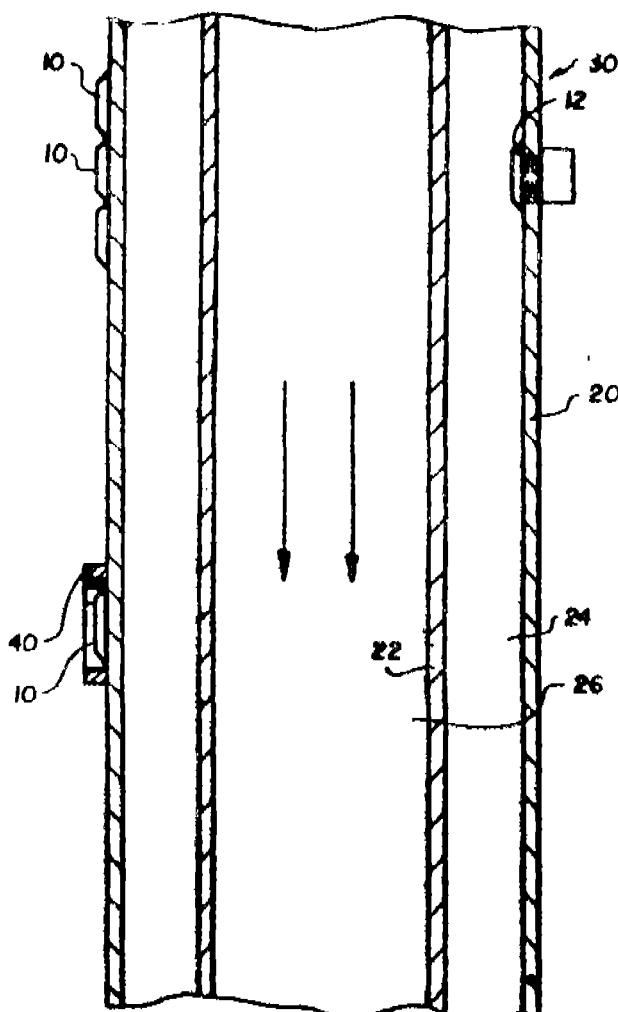
an outer tubular member;

an inner tubular member mounted within said outer tubular member and defining an annular space between inner and outer tubular walls;

insulation means in said annular space for insulating said outer tubular member from said inner tubular member; and

a coupon bonded to at least one of an inner and outer surface of said outer tubular member with a bonding agent such as herein described which changes state from a solid to a liquid at a temperature which is at least equal to the selected temperature whereby the bonding agent no longer bonds said coupon to said outer tubular member when the outer member is exposed to the selected temperature to thereby indicate an exposure of said outer tubular member to the selected temperature to thereby indicate an exposure of said outer tubular member to the selected temperature.

2—167GI/89



Compl. specn 12 pages.

Draws. 2 sheets

CLASS :

164987

Int. CL : B 01 I 11/00.

## PROCESS FOR REGENERATING ABSORBENT SOLUTION STREAMS LDEN WITH CARBON DIOXIDE AND CARBON OXYSULFIDE.

Applicant : METALLGESELLSCHAFT AKTIENGESELLSCHAFT, OF REUTERWEG 14, D-6000, FRANKFURT AM MAIN, WEST GERMANY.

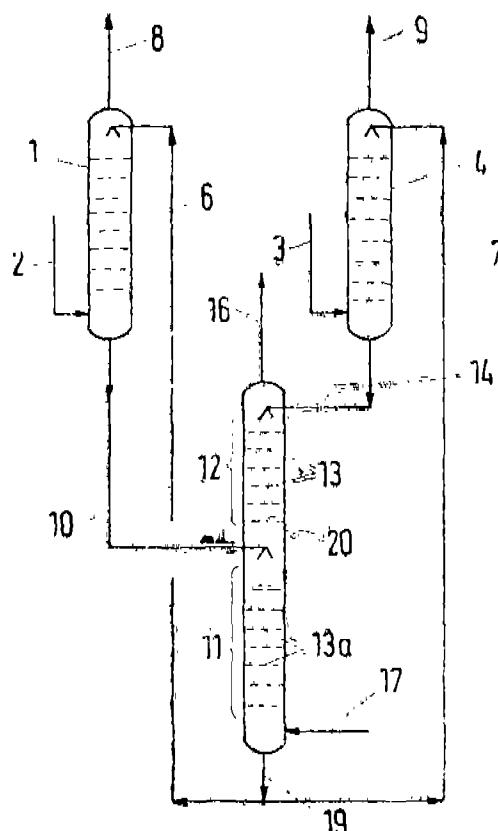
Inventors : (1) GERHARD GRUNEWALD, (2) MANFRED KRIEBEL.

Application No. 639/Cal/87 filed August 14, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

#### **4. Claims**

A process of regenerating two absorbent solution streams which are laden with carbon dioxide and optionally with carbon oxysulfide, which are physically dissolved wherein said absorbent solution streams are pressure relieved for regeneration, characterized in that the first absorbent solution stream is pressure-relieved into a first pressure relief zone to effect a pressure reduction by at least 2 bars, whereby a  $\text{CO}_2$ -containing gas is flashed off, the second absorbent solution stream is at least partly pressure-relieved into a second pressure relief zone which contains exchange-promoting elements, the gas flashed off in the first pressure relief zone is passed through the second pressure relief zone in a countercurrent to the second absorbent solution stream, the COS content per m<sup>3</sup> of the second absorbent solution stream is at least three times the corresponding COS content of the first absorbent solution stream, and a gas which contains  $\text{CO}_2$  and COS is withdrawn from the top of the second pressure relief zone.



Compl. specn. 10 pages

Drg. 1 sheet

**CLASS :**

164988

Int. Cl. : A 24 d 1/18.

SMOKING ARTICLE

Applicant R. J. REYNOLDS TOBACCO COMPANY  
OF 403 NORTH MAIN STREET, CITY OF WINSTON-  
SALEM, STATE OF NORTH CAROLINA 27102, U.S.A.

Inventors : (1) ANDREW JACKSON SENSAWAUGH, JR., (2) HENRY THOMAS RIDINGS, (3) JOHN HUGHES REYNOLDS IV, (4) MICHAEL DAVID SHANON, (5) ERNEST GILBERT FARRIER, (6) CHANDRA KUMAR BANERJEE.

Application No. 809/Cal/87 filed October 16, 1987.

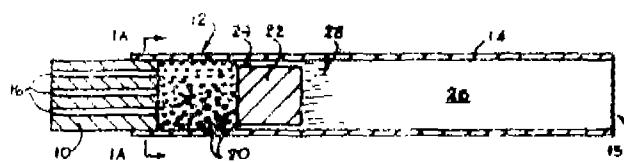
Divisional of Application No. 626 'Cal/85 Anti-dated to  
30th August, 1985.

Appropriate Office for Opposition Proceedings (Rule 4),  
Patent Rules, 1972) Patent Office, Calcutta.

16 Claims

An elongated smoking article comprising in combination and having embodied in a unitary structure:

- (a) a combustible carbonaceous fuel element less than about 30 mm in length, and having a density of at least 0.5 g/cc.;
  - (b) an aerosol generating means including a substrate bearing an aerosol forming material such as herein described associated with said fuel element in operative relationship therewith whereby the aerosol generating means including aerosol forming material receive heat from the fuel element; and
  - (c) means for delivering the aerosol produced by the aerosol generating means to the user.



Compl. specii. 46 pages.

Drgs. 3 sheets

GLASS : 185-A.

164989

Int. Cl. : A 23 f 3/04.

## AN IMPROVED CTC MACHINE.

Applicant : TRADE & INDUSTRY PRIVATE LIMITED.  
19, R. N. MUKHERJEE ROAD, CALCUTTA-700001. WEST  
BENGAL, INDIA.

Inventor : OM PRAKASH BAGARIA.

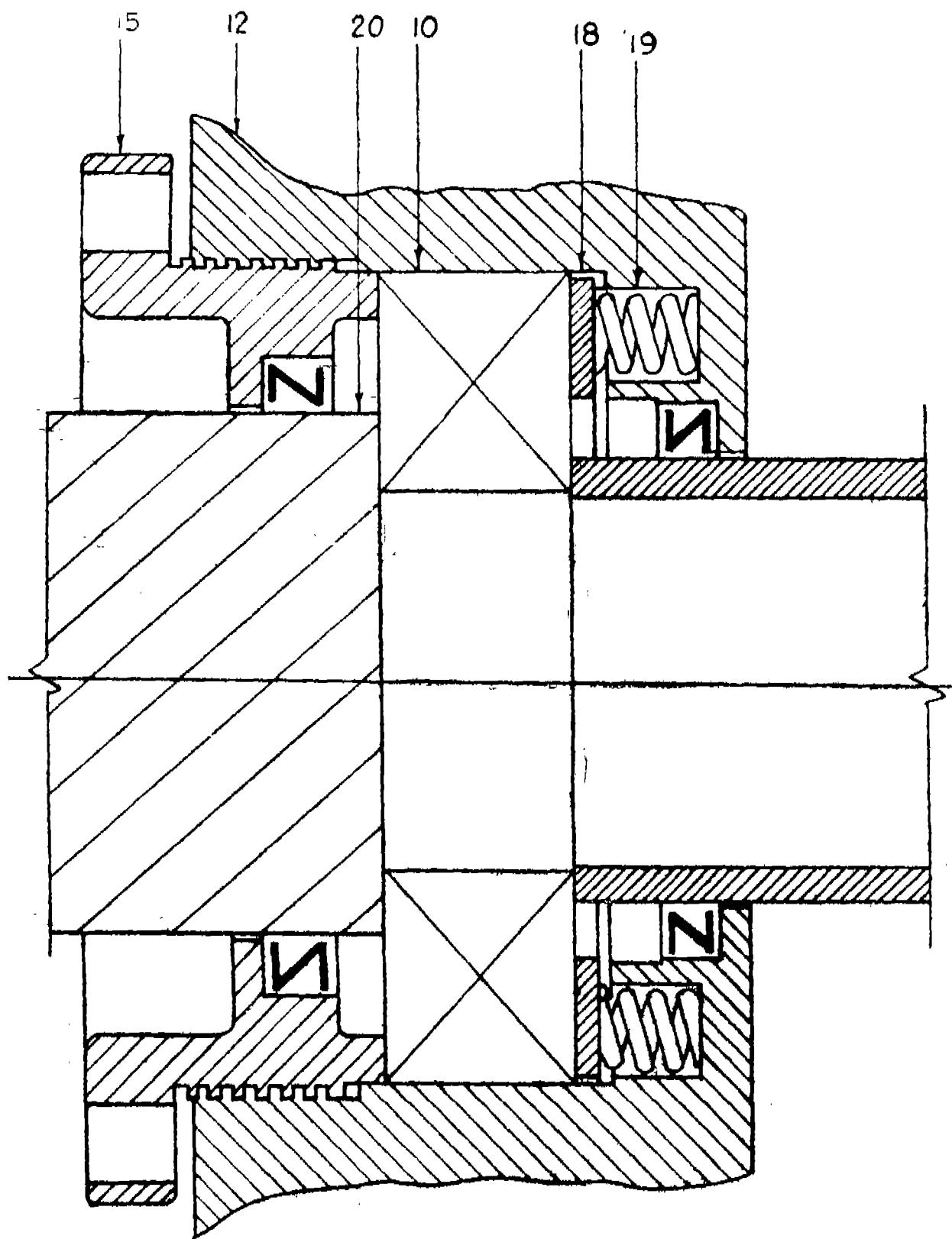
Application No. 428/Cal/88 filed May 25, 1988.

Divisional of Application No. 928/Cal/85 Anti-dated to  
24th December, 1985.

Appropriate Office for Opposition proceedings (Rule 4,) Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

An improved CTC machine for processing of tea leaves wherein the improvement comprises in an adjustable roller system including a roller and a pair of housing, said housing being slidably mounted on a pair of side plates and held between a pair of springs at one end and an eccentric sleeve or cam shaft being located at the other end of said housing.



CLASS : 164990

Int. Cl. : C 01 I 1/14.

AN EMULSION OF LIQUID HYDROCARBONS WITH WATER OR ALCOHOLS.

Applicant : APACE RESEARCH LIMITED, OF 130 DOWLING STREET, DUNGOG, NEW SOUTH WALES, AUSTRALIA..

Inventor : RUSSELL ROBERT BEEVES.

Application No. 807/Cal/88 filed September, 1988.

Convention dated 12th March, 1982 and 30th November, 1982 (Both are Australia). (PF 3086 & PF 7052).

Divisional of Application No. 290/Cal/83 Anti-dated to 9th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 16 Claims

An emulsion of liquid hydrocarbons with water or alcohols consisting of a phase comprising liquid hydrocarbons selected from a gasoline having a boiling point of less than 190°C, a kerosene having a boiling point of from 190 to 230°C, diesel oil having a boiling point of from 230 to 315°C, a gas oil having a boiling point of from 315 to 480°C, and a hydrocarbon liquid having a boiling point of greater than 480°C; a phase comprising water or an alcohol, and an emulsifying preparation which comprises an emulsifier, characterized in that the emulsifier is a block copolymer comprising at least one block (A) comprising a polymer of :

- (i) an optionally ring-substituted styrene, or
- (ii) a conjugated diene

and at least one block (B) comprising :

- (i) a polyether of formula H (OR)<sub>n</sub> OH, where R is a bivalent aliphatic hydrocarbon moiety having from 1 to 4 carbon atoms and n is an integer of from 4 to 4000, or an ester thereof; or
- (ii) a polymer of a polar olefin, the polarity of the olefin being such that the polymer thereof is solvated by water or alcohol; and

Optionally a coupling agent which is soluble in the continuous phase of the emulsion and substantially insoluble in the dispersed phase thereof, and which couples with the polymer block (s) of the said copolymer which is solvated by the continuous phase of the emulsion.

Compl. specn. 21 pages.

Drg. Nil

CLASS : 40-F.

164991

Int. Cl. : A 61 J 1/00.

APPARATUS FOR TREATING ARTICLE FOR STERILIZING.

Applicant : THE SCOPAS TECHNOLOGY COMPANY, INC., 60 EAST 42ND STREET, SUITE 1448, NEW YORK, NEW YORK, 10165, U.S.A.

Inventors : (1) RAYMOND PALMER JEFFERIS III, (2) PHILLIP VAUGHN ENELER, (3) AARON ABEL ROSENBLATT.

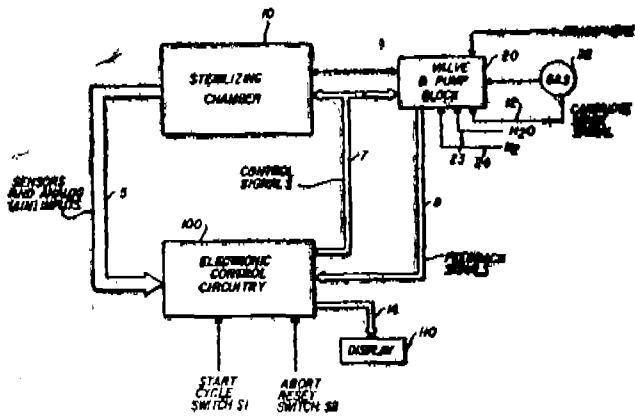
Application No. 83/Cal/86 filed February 04, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 23 Claims

Apparatus for sterilizing articles with a gas comprising :

chamber means for receiving an article to be treated; means for supplying the gas to the chamber means comprising valve means coupled to the chamber means for supplying the gas to the chamber means, means for removing the gas from the chamber means after a predetermined time interval, electronic control means receiving a plurality of electrical signals associated with ones of measured parameters from said chamber means for controlling said valve means and said means for removing the gas, said electronic control means comprising computer means for cycling said apparatus through a plurality of states in accordance with a predetermined sequence of instructions, said computer means including means for aborting the operation of said apparatus to one of plurality of defined failure states in response to a failure of said apparatus, said selected failure state dependent on the state in said cycle in which the failure occurred.



Compl. specn. 96 pages.

figs.22 sheets

CLASS : 63-I.

164992

Int. Cl. : G 21 c 21/00.

ENERGY CONVERTER.

Applicant : ENERGY CONVERSION TRUST, OF 5 THE PARADE, ERIDGE ROAD, CROWBOROUGH, SUSSEX, ENGLAND.

Inventor : GEOFFREY MARTIN SPENCE.

Application No. 98/Cal/86 filed February 10, 1986.

Convention dated 12th February, 1985 (No. 8503499) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 12 Claims

An energy converter including a source of electric charge carriers of a predetermined polarity, a process chamber having an inner electrode, means for accelerating the carriers away from the source, and for introducing the carriers into the chamber, means for applying a magnetic field transverse to the path of the carriers and bounding the inner electrode of the chamber such that the carriers orbit the electrode while accelerating radially toward the electrode being located at a radius which exceeds the equilibrium radius for the carrier means velocity and applied field strength and intercepting the carriers such that the increased kinetic energy of the carriers due to

centripetal acceleration is converted to an electric potential at the electrode.

CLASS : 33-A.

164993

Int. Cl. : B 22 d 17/00.

## METHOD AND APPARATUS FOR CASTING IRON TREATED WITH MAGNESIUM.

Applicant : GEORGE FISCHER AKTIENGESELLSCHAFT; CH-8201 SCVHAFFHAUSEN, SWITZERLAND.

Inventors (1) STEFAN DERSCH, (2) MAX RIETHMANN, (3) ROLF RIETZSCHER.

Application No. 105/Cal/86 filed February 14, 1986.

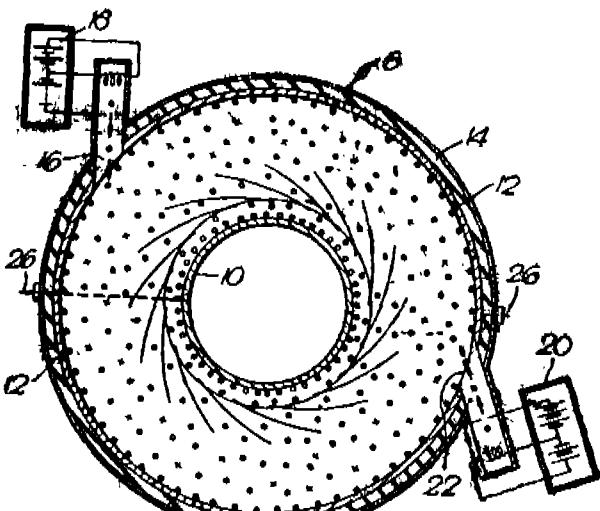
Appropriate Office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 14 Claims

A method of casting iron treated with magnesium in a casting apparatus operated with gas under pressure, the apparatus being of the type having a casting furnace and a piping system for delivering an inert gas under pressure to the casting furnace and wherein inert gas flowing back from the casting furnace is enriched with magnesium, comprising :

restricting the backflow of inert gas to a selected, limited portion of the piping system so that magnesium condensing out of the gas is restricted to the selected portion; and

periodically oxidizing condensed magnesium by method such as herein described in the selected portion of the piping system without interrupting the casting process.

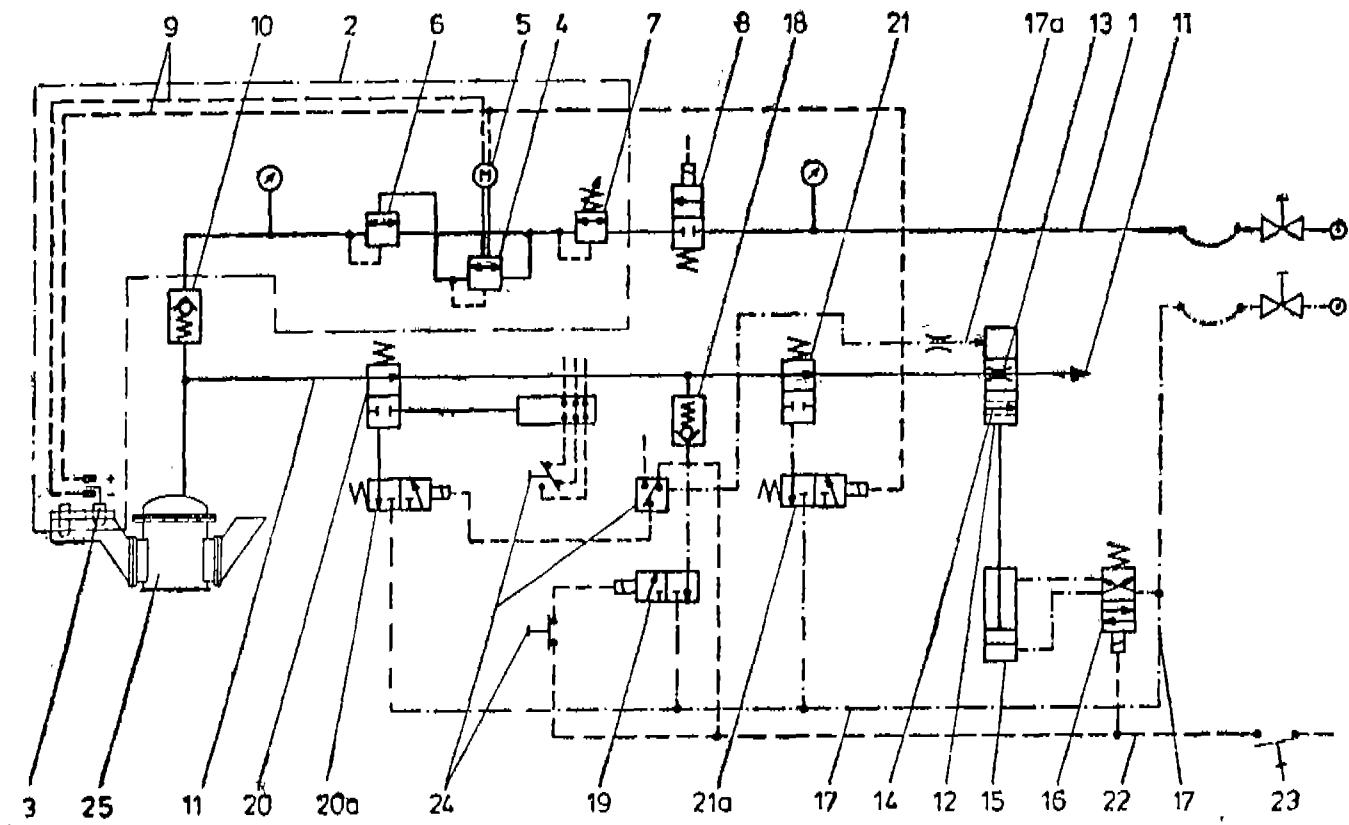


Compl. specn. 17 pages.

Drgs. 5 sheets

Compl. specn. 12 pages.

Drg. 1 sheet



CLASS : 48-D<sub>a</sub>.

164994

Int. Cl. : H 02 g 15/18.

**A PLASTIC SLEEVE FOR PROTECTING SPLICES OF ELECTRIC CABLES OR TELEPHONE CABLES AND A METHOD OF MAKING SAID SLEEVE.**

Applicant : ETABLISSEMENTS MOREL-ATELIERS ELECTROMECANIQUES DE FAVIERES, OF FAVIERES, 28170 CHATEAUNEUF EN THYMERAI, FRANCE.

Inventors : (1) JACQUES MOREL, (2) DJDIER MOREL.

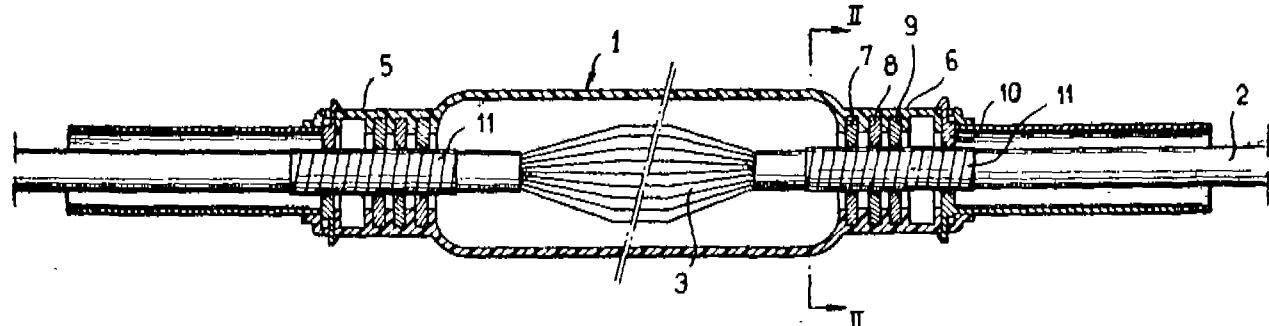
Application No. 190/Cal/86 filed March 12, 1986.

Appropriate Office for Opposition proceedings (Rule 4.) Patents Rules, 1972) Patent Office, Calcutta.

## 10 Claims

A sleeve of plastic material for protecting splices of electric cables or telephone cables, comprising :

two half-shells (ia, ib) assembled together along their adjacent edges (2a, 2b);



Compl. specn. 14 pages.

Draw. 2 sheets

CLASS :

164995

Int. Cl. : F 22 d 5/26; F 22 g 5/00; G 01 n 27, 00.

**A DATA PREDICATED SYSTEM FOR PURPOSES OF EFFECTUATING AN APPRAISAL OF THE FUTURE BEHAVIOUR OF A BOILER.**

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT-06095, U.S.A.

Inventor : FRANK JOSEPH BERGE.

Application No. 201/Cal/86 filed March 14, 1986.

Appropriate Office for Opposition proceedings (Rule 4.) Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

1. A data stored predicted system for purposes of effectuating an appraisal of the future behaviour of a boiler having operationally connected a plurality of data means comprising :

(a) performance means containing a bank of data relating to performance characteristics of the boiler, said performance means being provided with a plurality of inputs from a variety of sources, said plurality of inputs including a first input consisting of data derived from the manufacturer of the boiler relating to the performance characteristics of the boiler, a second input consisting of data derived from boiler industry and other boiler sources relating to the performance characteristics of the boiler, a third input consisting of data derived from past and present boiler users relating to the performance characteristics of the boiler, a fourth input consisting of data derived from the

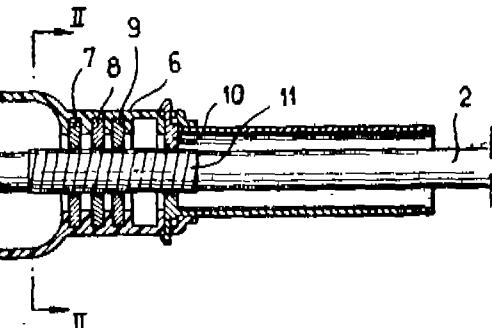
the edge (2a) of one half-shell (ia) being provided with a longitudinal rib (12) engaged within a groove (13) formed in the adjacent edge (2b) of the other half-shell (ib) and sealing means being provided between said edges;

characterised in that the groove (13) has an inner side wall (14) of sufficiently small thickness to be flexible.

the height (H) of the rib ((12) which is engaged in said groove is slightly smaller than the depth (P) of the groove;

the face (12a) of the rib (12) which is adjacent to the inner face (14a) of said flexible wall forms with said inner face an angle (a) of a few degrees having a vertex (15) located at the extremity (14b) of said walls;

the wedge shape space defined by said angle (a) being filled by a strip of putty (1) which is deformed and compressed between said faces of the rib and of wall.

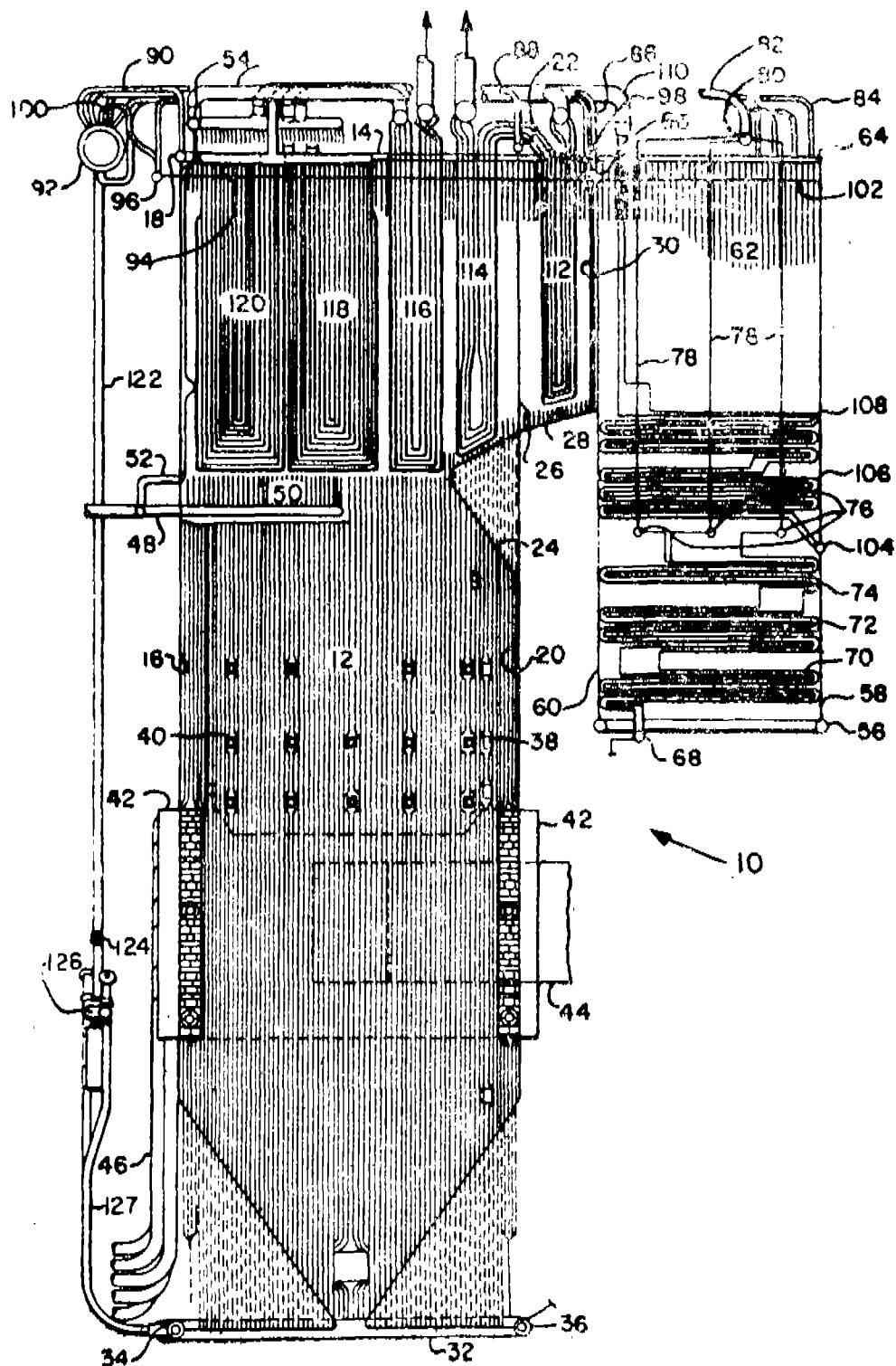


operator of the boiler relating to the performance characteristics of the boiler, a fifth input consisting of data derived from an inspection of the boiler, and a sixty input consisting of data derived from conducting testing on the boiler;

(b) availability means containing a bank of data relating to availability characteristics of the boiler;

(c) degradation means containing a bank of data relating to degradation characteristics of the boiler, said degradation means being connected in cross-linked relation to both said performance means and said availability means so as to effectuate the assimilation of the degradation characteristics data of said degradation means with the performance characteristics data of said performance means and the availability characteristics data of said availability means such that the performance characteristics data of said performance means and the availability characteristics data of said availability means are such made to reflect the degradation characteristics data of the boiler; and

(d) updating means containing a bank of data relating both to current performance characteristics of the boiler and to current availability characteristics of the boiler, said updating means being connected to both said performance means and said availability means so that data relating to the current performance characteristics of the boiler and the current availability characteristics of the boiler can be provided thereto for purposes of accomplishing an updating of the performance characteristics data of said performance means and the availability characteristics data of said availability means.



CLASS : 33-A

Int. Cl. : B 22 d 17/00

464996

164996

Applicant : RIMROCK CORPORATION, OF 1700  
RIMROCK ROAD, COLUMBUS, OHIO 43219, U.S.A.

Inventor : RICHARD A. BUCKLEY.

Application No. 202/Cal/86 filed March 14, 1986.

Appropriate office for opposition proceedings (Rule 4),

APPARATUS FOR MOVING A FLUID EMISSION  
HEAD THROUGH MECHANICAL FLUID APPLICA-  
TION CYCLES.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 7 Claims

Apparatus for moving a fluid emission head through mechanical fluid application cycles that include extension and retraction to and from a space within which predetermined operations are to be performed, the apparatus including a support assembly and a parallel link assembly that includes a carrier arm adapted to carry the fluid emission head at one end, the carrier arm being pivotally connected to and comprising part of the parallel link assembly characterized by :

a crankshaft journaled in said support assembly; drive means for turning said crankshaft in forward and reverse directions;

a main link having an outer end pivotally connected to the other end of said carrier arm and an inner end connected for guided movement to said support assembly;

a control arm having an inner end rigidly connected to said crankshaft and an outer end pivotally connected intermediate the ends of said carrier arm, said control arm extending generally parallel to said main link;

an intermediate link having one end pivotally connected to said crankshaft and its other end pivotally connected intermediate the ends of said main link, said intermediate link extending generally parallel to said carrier arm;

a guide plate defining a curved slot;

roller means on said inner end of said main link received in and engaging said slot whereby movement of said inner end conforms to the path defined by said slot to guide said inner end of said main link through a controlled path of travel whereby said fluid emission head is carried through an operating cycle between a retracted position above and laterally offset from the vertical projection of said operating space and an extended position in said work space;

a lever arm having one end fixed to said crankshaft, resilient means connected between the other end of said lever arm and said support assembly whereby said lever arm applies a variable counterbalancing torque to said crankshaft for counterbalancing the torque applied to said crankshaft resulting from the weight of said parallel link assembly and said fluid emission head when said fluid emission head is moved to and from said extended position.

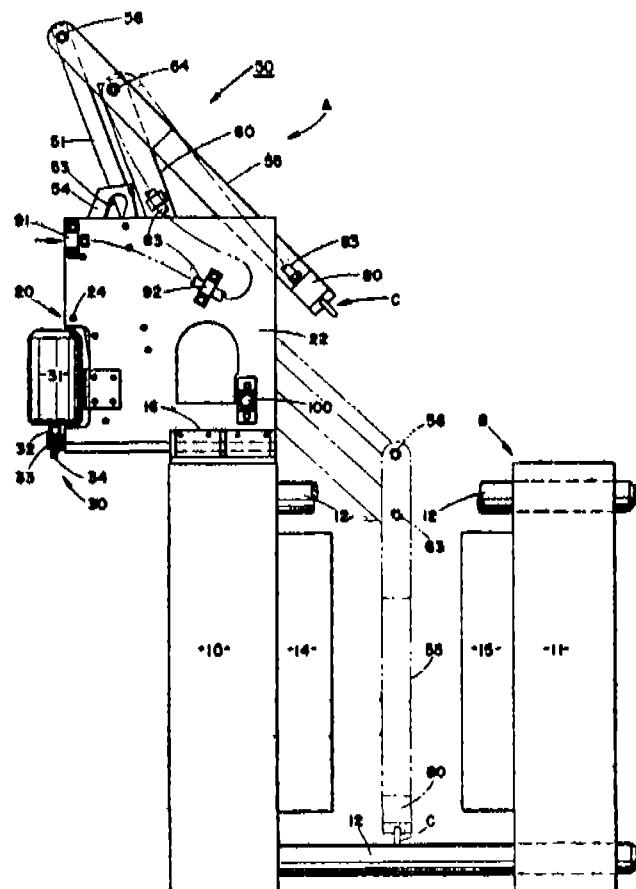


Fig. 1

Compl. specn. 20 pages

Drg. 7 sheets

Int. Cl. : A01n 59/00

164997

A PROCESS FOR PREPARING A COMPOSITION FOR PROLONGING THE DORMANCY OF PLANTS AND PLANTS PARTS.

Applicant : SKW TROSTBERG AKTIENGESELLSCHAFT, OF DR.-ALBERT-FRANK-STRASSE 32, D-8223 TROSTBERG, WEST GERMANY.

Inventor : GEORG LEONHARD RIEDER.

Application No. 285/Cal/86 filed April 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 2 Claims

A process for preparing an improved composition to be used from about 4 weeks until immediately before sprouting of plants or plant parts for prolonging the dormancy of said plants or plant parts comprising preparing an aqueous solution of 0.05 to 10% by weight of cyanamide and adding thereto a wetting agent as herein described in an amount of 0.1 to 0.5% by weight referred to the cyanamide solution.

Compl. specn. 12 pages

Drg. Nil

CLASS : 185-C

164998

Int. Cl. : A 23 f 3/00; A 61 k 27/14;  
C 07 d 57/54.

## PROCESS FOR THE REMOVAL OF CAFFEINE FROM TEA.

Applicant : SKW TROSTBERG AKTIENGESELLSCHAFT, OF DR. ALBERT-FRANK-STR. 32, D-8223 TROSTBERG, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HUBERTUS KLIMA, (2) ERWIN SCHUTZ, (3) HEINZ-RUDIGER VOLLBRECHT.

Application No. 329/Cal/86 filed April 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

Process for the removal of caffeine from tea extracting tea containing 15 to 50% by weight of water with moist carbon dioxide at 255 to 350 bar and at 50 to 80°C, in an autoclave, subsequent separation of the caffeine from the carbon dioxide with the help of an absorbent as herein described and recycling the caffeine-free carbon dioxide over the already extracted tea, wherein the absorbent is distributed in the tea in an amount of from 5 to 40% by weight, referred to the dry weight of the tea.

Compl. specn. 11 pages

Drg. Nil

Int. Cl. : A 01 n 25/00

164999

## A METHOD OF PREPARING A SLOW RELEASE BIOLOGICALLY ACTIVE AGENT CONTAINING COMPOSITION.

Applicant : PENNWALT CORPORATION, PENNWALT BUILDING, THREE PARKWAY, PHILADELPHIA, PENNSYLVANIA 19102, U.S.A.

Inventor : LUDWIG KONRAD HUBER.

Application No. 385/Cal/86 filed May 22, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 17 Claims

A method of preparing a slow release, biologically active agent-containing composition comprising the steps of :

(a) preparing an aqueous emulsion or dispersion of biologically active agent such as herein described and an optional filler in a matrix-forming material comprising an aqueous solution or gel of a poly-hydroxy polymer (PHP), wherein said solution or gel has a solids concentration of said PHP of from about 3-40%, and wherein the relative amount of said PHP with respect to said biologically active agent is sufficient to entrap said agent within a matrix of said PHP;

(b) blending into said emulsion or dispersion an inorganic salt such as herein described for a sufficient time to distribute throughout the aqueous emulsion or dispersion, wherein the salt comprises 1-30% by weight of the product of step b;

(c) reacting the product of b at an alkaline pH with boric acid or at an essentially neutral or alkaline pH with a boric acid derivative to form an insolubilized matrix phase having entrapped therein uniformly dispersed, discontinuous domains of said agent and an optional aqueous phase that separates out from said matrix phase; and

(d) recovering free-flowing particles of said entrapped biologically active agent.

Compl. specn. 27 pages

Drg. Nil

Int. Cl. : B 60 k 7/00

165000

## A NOVEL POWER TRANSMISSION SYSTEM AND VEHICLES BASED ON THE SAME.

Applicant &amp; Inventor : ABIR KUMAR SARKAR OF FLAT 28, 15 SARAT CHATTERJEE AVENUE, CALCUTTA-700029, WEST BENGAL, INDIA.

Application No. 400/Cal/86 filed May 29, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A power transmission system for vehicles namely road vehicles and rail vehicles comprising :

an internal combustion engine;

a speed control unit for said engine an alternator;

a variable direct current supply unit for exciting field windings of the alternator, power transmission means between said engine and the alternator; and

one or more induction motors electrically connected to said alternator through a control unit having means for reversing the direction of rotation of the induction motor or motors, shaft or shafts of said motor or motors being drivably connected one or more wheels of a road vehicle or railway vehicle and the said speed control units of the engine having means for varying fuel/air ratio of said engine, which is coupled to said variable direct current supply unit.

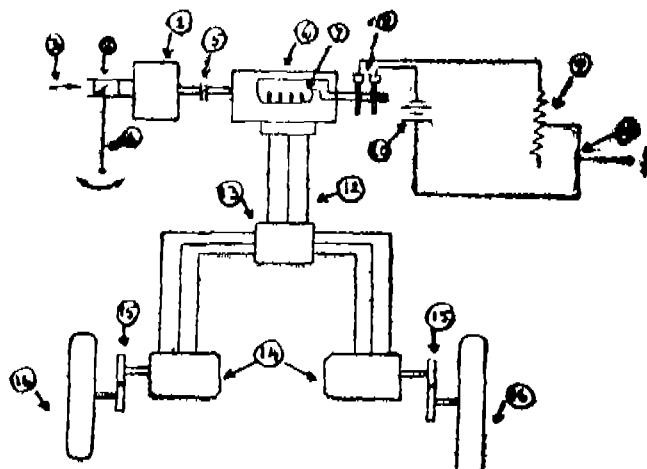


Fig. 1

Compl. specn. 14 pages

Drg. 1 sheet

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 160599. Piaggio & C. S.P.A., a company organised under laws of the Italian Republic of Via A. Cecchi, 6-GENOVA, Italy. "a Vehicle wheel". 30th December, 1988.

Class 1. No. 160654. Ketan Shroff & Associates, an Indian Sole Proprietor Firm of Daya Falia, Ankleswar, Distt. Bharuch 393001, Gujarat, India. "TAVAFRYING PAN". 18th January, 1989.

Class 3. No. 160126. Colgate-Palmolive Company, a Delaware Corporation of 300 Park Avenue, New York, New York 10022, United States of America. "a Toothbrush". 19th September, 1988.

Class 3. No. 160483. MICROTEK LAB. INC., a Corporation organised and existing under the laws of the United States of America of 680 Knox Avenue, Torrance, California 90502, United States of America. "a Compact Electronic Scanner". 1st December, 1988.

Class 3. No. 160575. Minnesota Mining and Manufacturing Company, a Corporation of the State of Delaware, U.S.A., of 3M Center, Saint Paul, Minnesota 55144-1000, U.S.A. "a Pavement Marker". 19th December, 1988.

Class 3. No. 160762. Arumugham Thirunavukkarasu, of Techno Industries, 37 Madhavapuram East Street, Alandur, Madras-600016, Tamil Nadu, Indian National. "Television Signal Boosters". 28th February, 1989.

Class 3. No. 160774. Sultan Plastics, 4852-Bara Hindu Rao, Delhi-110006 is an Indian Proprietorship concern. "TOY GUN". 1st March, 1989.

Class 3. Nos. 160678 & 160679. Lyncil Plastics Private Limited, an Indian firm, of J.V. Patel I.T.I., N.S.E. Compound, B.M. Road, Opp. Elphiston Station, Parel, Bombay-400013, Maharashtra, India. "Electric Lamp Fitting". 23rd January, 1989.

Class 4. Nos. 160672 & 160673. Lyncil Plastics Private Limited, an Indian firm, of J.V. Patel I.T.I., N.S.E. Compound, B.M. Road, Opp. Elphiston Station, Parel, Bombay-400013, Maharashtra, India. "Electric Lamp Fitting". 23rd January, 1989.

Class 10. Nos. 160554 & 160555. Liberty Footwear Company, Liberty House Extension, Karnal, Haryana State, India. "Sole of the Shoe". 16th December, 1988.

*Copyright Extended for the Second period of five years.*

Nos. 154245, 151828, 151830, 151829..... Class 1.

No. 153910. .... Class 3.

No. 153910. .... Class 4.

R. A. ACHARYA

Controller General of Patents, Designs  
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